

2000-075889/07 KAO CORP 1998.05.08 1998-125565(+1998JP-125565) (1999.11.26) C11D 1/62, 1/68, 1/74, 1/835, 3/43, 10/02 Detergent composition for dry cleaning - comprises quaternary ammonium salt, sorbitan fatty acid ester, polyoxyethylene sorbitan fatty acid ester and petroleum-based solvent C2000-022401	A97 D25 E19 F06 *JP 11323383-A A(10-E7, 10-E8A, 12-W12A) D(11-A2B, 11-A2B1, 11-A3A4, 11-B16, 11-D1) E(7-A2D, 10-A22B) F(3-J4)
NOVELTY Detergent composition includes a quaternary ammonium salt, a sorbitan fatty acid ester, a polyoxyethylene sorbitan fatty acid ester and a petroleum-based solvent.	R ₃ and R ₄ = 1-3C alkyl or hydroxyalkyl; Y = ethylene or propylene group; n = 0 or 1; and X = anion group.
DETAILED DESCRIPTION Detergent composition includes: (A) a quaternary ammonium salt of formula R ₁ (C(O)NHY) _n N ⁺ (R ₂)(R ₃)(R ₄) X ⁻ (I), (B) a sorbitan fatty acid ester, (C) a polyoxyethylene sorbitan fatty acid ester and (D) a petroleum-based solvent. R ₁ = 8-22C alkyl; R ₂ = 1-22C alkyl or hydroxyalkyl;	USE The detergent composition is used for dry cleaning. ADVANTAGE The detergent composition is uniformly transparent, and has an excellent phase stability and water solubility. ORGANIC CHEMISTRY (A) is stearyldimethylethyl ammonium-monoethyl sulfuric acid salt, stearyldimethylhydroxyethyl ammonium-glycolic acid salt, stearyldimethylhydroxyethyl ammonium-paratoluene sulfonic acid salt, or stearoylaminooethyldimethylhydroxyethyl ammonium-paratoluene sulfonic acid. (B) has an HLB value of 4 to 10, and is sorbitan monolaurate
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(HLB = 8.6).
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